Examiner-Initiated Interview Summary	Application No.	Applicant(s)	
	10/688,305	VACANTI ET AL.	
	Examiner	Art Unit	
	Ruth A. Davis	1651	

All Participants:

(1) *Ruth A. Davis*.

(2) *Patear Pabst*.

Status of Application: _____

(3) _____.

(4) _____.

Date of Interview: *11 September 2007*

Time: *about 1200pm EDT*

Type of Interview:
- ☒ Telephonic
- ☐ Video Conference
- ☐ Personal (Copy given to: ☐ Applicant ☐ Applicant's representative)

Exhibit Shown or Demonstrated: ☐ Yes ☐ No
If Yes, provide a brief description:

Part I.

Rejection(s) discussed:

Claims discussed:
10,12,13

Prior art documents discussed:

Part II.

SUBSTANCE OF INTERVIEW DESCRIBING THE GENERAL NATURE OF WHAT WAS DISCUSSED:
Examiner indicated the claims allowable and proposed amendments reflected in examiner's amendment to clarify the claimed subject matter. Ms. Pabst agreed.

Part III.

☒ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview directly resulted in the allowance of the application. The examiner will provide a written summary of the substance of the interview in the Notice of Allowability.

☐ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview did not result in resolution of all issues. A brief summary by the examiner appears in Part II above.

(Examiner/SPE Signature)

(Applicant/Applicant's Representative Signature – if appropriate)

Amendment

In the Claims

1. (currently amended, withdrawn) A method of generating a living biological matrix in vitro, the method consisting essentially of: (a) obtaining a cell sample; (b) disrupting the cell sample to create a mixture containing cells and cellular debris; (c) culturing the mixture, retaining the cellular debris, in culture medium for a time and under conditions sufficient to form a living biological matrix *in vitro*; and (d) separating the biological matrix from the culturing medium, wherein the cells include spore-like cells.

2. (original, withdrawn) The method of claim 1, wherein the cell sample of step (a) is obtained from a subject who will be a recipient of the biological matrix.

3. (original, withdrawn) The method of claim 1, wherein the cell sample of step (a) is obtained from a human.

4. (original, withdrawn) The method of claim 1, wherein the cell sample comprises a bodily fluid.

5. (original, withdrawn) The method of claim 4, wherein the bodily fluid is blood.

6. (original, withdrawn) The method of claim 4, wherein the bodily fluid is cerebrospinal fluid.

7. (original, withdrawn) The method of claim 1, wherein the cell sample comprises a portion of an organ.

8. (previously presented, withdrawn) The method of claim 1, wherein the cell sample comprises aurticular cartilage.

9. (original, withdrawn) The method of claim 8, wherein before disrupting the cell sample, the perichondrium is removed from the cartilage.

10. (previously presented, withdrawn) The method of claim 1, further ~~comprising~~ adding to the separated mixture a component that adds shape, structure, or support to the matrix.

11. (original, withdrawn) The method of claim 10, wherein the component is a hydrogel or an adhesive.

12. (original, withdrawn) The method of claim 1, further ~~comprising~~ adding to the matrix an antibiotic.

13. (previously presented, withdrawn) A method of augmenting a tissue defect in a subject, the method comprising: (a) preparing a living biological matrix ~~using~~ according to the method of claim 1; and (b) administering the living biological matrix to the subject in the region of the tissue defect, wherein the matrix develops a characteristic of the endogenous tissue and thereby augments the tissue defect.

14. (original, withdrawn) The method of claim 13, wherein the tissue defect is in a muscle.

15. (original, withdrawn) The method of claim 14, wherein the muscle is the heart.

16. (original, withdrawn) The method of claim 13, wherein the tissue defect is in a portion of a lung, pancreas, spinal cord, joint, head, neck, skin, kidney, or liver of the subject.

17. (original, withdrawn) The method of claim 13, wherein the subject is a human.

18. (currently amended) A living biological matrix comprising cells, cell fragments, lipids, and polysaccharides,

wherein the matrix is made by a method consisting essentially of

(a) obtaining a cell sample;

(b) disrupting the cell sample to create a mixture containing cells and cellular debris;

(c) culturing the mixture, retaining the cellular debris, in culture medium for a time and under conditions sufficient to form a living biological matrix *in vitro*; and

(d) separating the biological matrix from the culturing medium, wherein the cells include spore-like cells.

19. (original) The matrix of claim 18, further comprising a component that adds shape, structure, or support to the matrix.

20. (original) The matrix of claim 18, further comprising a hydrogel or adhesive.

21. (original) The matrix of claim 18, further comprising an antibiotic.

22. (original) The matrix of claim 18, further comprising a cellular component selected from the group consisting of a fibronectin, laminin, collagen, glycoprotein, thrombospondin, elastin, fibrillin, mucopolysaccharide, glycolipid, heparin sulfate, chondroitin sulfate, keratin sulfate, glycosaminoglycan, and hyaluronic acid.

23. (original, withdrawn) A method of augmenting a tissue defect in a subject, the method comprising: (a) obtaining a living biological matrix of claim 18; and (b) administering the living biological matrix to the subject in the region of the tissue defect, wherein the matrix develops a characteristic of the endogenous tissue and thereby augments the tissue defect.

24. (cancelled)

23 ~~25~~. (currently amended) The matrix of claim 18 ~~24~~, wherein the cell sample of step (a) is obtained from a subject who will be a recipient of the biological matrix.

24 ~~26~~. (currently amended) The matrix of claim 18 ~~24~~, wherein the cell sample is obtained from a human.

25 ~~27~~. (currently amended)The matrix of claim 18 ~~24~~, wherein the cell sample comprises a bodily fluid.

26 ~~28~~. (original) The matrix of claim ~~27~~ 25, wherein the bodily fluid is blood.

27 ~~29~~. (original) The matrix of claim ~~27~~ 25, wherein the bodily fluid is cerebrospinal fluid.

28 ~~30~~. (currently amended) The matrix of claim 18 ~~24~~, wherein the cell sample comprises a part of an organ.

29 ~~31~~. (currently amended) The matrix of claim 18 ~~24~~, wherein the cell sample comprises auricular cartilage.

30 ~~32~~. (original) The matrix of claim ~~31~~ 29, wherein, before disrupting the cell sample, the perichondrium is removed from the cartilage.

31 ~~33~~. (currently amended) The matrix of claim 18 ~~24~~, wherein the biological matrix ~~process further comprising adding~~ is added to ~~the mixture~~ a ~~component that adds~~ shape, structure, or support material ~~to the matrix~~.